

plurality of signals defining a plurality of wavelengths, the wavelengths from the spectra being
intermingled; and
a detector simultaneously imaging at least some of the spectra upon a surface for
identification of the labels.

Please cancel claim 2.

1 3. (Amended) The system of claim 1, wherein the labels comprise at least
2 one semiconductor nanocrystal.

1 12. (Amended) The system of claim 1, further comprising a spatial position
2 indicator to identify label positions within [the] a sensor field of the detector, wherein the
3 detector senses relative spectral data.

1 17. (Amended) The system of claim 1 wherein the detector comprises
2 means for distributing the signals across a sensor in response to wavelengths of the signals and
3 positions of the labels in [the] a sensor field, the distributing means disposed between the sensing
4 field and the sensor.

Please cancel claims 20-57.

1 58. (New) A system comprising:
2 a plurality of labels generating identifiable spectra in response to excitation
3 energy, wherein at least some of the spectra comprise a plurality of signals for each label;
4 a detector simultaneously imaging the spectra upon a surface of a sensor for
5 identification of the labels, the detector comprising a dispersion member dispersing wavelengths
6 of the spectra across the surface of the sensor; and
7 a spatial position indicator to identify label positions within a sensor field of the
8 detector.

IN THE DRAWINGS:

Please replace FIG. 4 with the enclosed FIG. 4.